

Launch Mission Execution Forecast

Mission: Falcon 9 COSMO-SkyMed Issued: 27 Jan 2022 / 1800L (2300Z)

Valid: 28 Jan 2022 / 1806 – 1817L (2306 – 2317Z)



Forecast Discussion: Low pressure which brought showers to the Spaceport today will gradually shift out into the Atlantic overnight into tomorrow. The extent of showers tomorrow will be less, however another system approaching from the northwest will bring the potential for layered thick clouds to the area by late afternoon. Thus, the main weather concerns for tomorrow are the Thick Cloud Rule and cumulus clouds associated with isolated showers.

	Probability of Violating Weather Constraints								
Launch Day	30%	Primary Concerns: Thick Cloud Layers Rule, Cumulus Cloud Rule							
	Weather Conditions							Additional Risk Criteria	
	Weather/Visibility:		Isol Showers /7 mi.	Туре	Clouds Coverage	Base (ft)	Tops (ft)	Upper-Level Wind Shear:	Moderate
	Temp/Humid	ity:	57°F / 82%	Cumulus	Scattered	3,000	9,000	Booster Recovery Weather:	Low
	Liftoff Winds (200'):		310° 15 - 20 mph	Altostratus	Broken	16,000	24,000	Solar Activity:	Low

Note: The Probability of Violation (POV) is the chance that a Lightning Launch Commit Criteria (LLCC) or certain user constraints (surface winds, precipitation, and temperatures, etc.) will be violated during the launch window. It does not take into account upper-level wind shear, booster recovery weather, and solar activity.

Next Forecast Will Be Issued

As Required